

**Notice of Allowability**

Application No.

10/506,898

Examiner

Ruth C. Rodriguez

Applicant(s)

DE MACEDO, MILTON FLAVIO

Art Unit

3677

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communmication filed on 29 June 2006.
2. ☒ The allowed claim(s) is/are 1 and 3.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance: For claim 1, Collas discloses an arrangement comprising a body of plastic material and a base. The body is coupled to the base. A locking pin is fixed to the button body wherein a cloth of an apparel article is fixed between the locking pin and the button body. A space is between the button body and the base of the button. Collas fails to disclose an assembly encapsulated by a plastic film located in the space, that the assembly is formed by a ring antenna and a silicon chip laterally located near the antenna where the antenna has a central first hole to receive an engineering plug and a terminal circular flap located in a second hole provided in the center of the base of the button. Although some of the prior art of record teaches the use of an antenna with a silicon chip being embedded in a plastic button, the prior art of record fails to disclose that a plastic film is used to encapsulate the ring antenna and the silicon chip in a space provided in the button and having an engineering plug passing through a first hole in the antenna and having a terminal circular flap located in a separate base of the button. Accordingly, it would not have been obvious to one having ordinary skill in the art to provide a ring antenna with a silicon chip where the antenna and chip are encapsulated by a plastic film disposed within the space of the body with an engineering plug passing through a central first hole in the antenna and the chip located near the antenna and with a terminal circular flap located adjacent to the engineering plug and within a second hole in the base of the button where the chip store data through programmed codes in a

logical sequence containing a fixed code to identify an apparel and a flexible code to save complementary information on the apparel.

For claim 3, the same reasons for allowance for claim 1 apply to claim 3 since Collas discloses that the button body forms a circular guide instead of the engineering plug, however, it fails to disclose that a terminal circular flap is located within an opening of the base of the button, an assembly is encapsulated with a plastic film located in the space and that the assembly is formed by a ring antenna and a silicon chip laterally located near the antenna.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Collas et al. discloses a button having a body of a button, a base of a button and a locking pin.

Reimann (US 4,215,388), Acson et al. (US 4,531,310), Chien (US 2006/0007668 A1) and international Patent Document 2005-071853 discloses the use of chips with buttons.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruth C Rodriguez whose telephone number is (571) 272-7070. The examiner can normally be reached on M-F 07:15 - 15:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. Swann can be reached on (571) 272-7075.


Submissions of your responses by facsimile transmission are encouraged. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-6640.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ruth C. Rodriguez  
Patent Examiner  
Art Unit 3677

rcr  
July 10, 2006

  
**ROBERT J. SANDY**  
**PRIMARY EXAMINER**